CIVIL TECH LABS

Accredited by NABL as per ISO/ IEC 17025 : 2005

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027

Ph: 080 - 4114 2867 / Mob. : 96862 31801, Email: civiltechlabs@gmail.com

T-2654

To,

Assistant Executive Engineer,
Yelahanka Sub Division,
BBMP.

AE.1
JE
24/1/17

23rd January 2017

Dear Sir,

Sub: Construction of drains at Janatha Colony venkatala in ward No.-01, of Yelahanka Sub Division.
Testing of cubes – Reg.

As requested the 07th day Compressive Strength Test of Cubes was carried out for the above work for the samples supplied by you.

Please find the enclosed Test Reports of the above.

Thanking you,

For Civil Tech Labs,

CIVIL TECH LABS BANGALORE

(BASAVARAJ K.)
Executive Director

CIVIL TECH LABS

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com

TEST REPORT
COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP.
Name of Work	Construction of drains at Janatha Colony venkatala in ward No.-01, of Yelahanka Sub Division.
Name of Agency	M/s. Technical Manger (West), KRIDL.
Grade of Concrete	M-20
Location	Pavements
No. of cubes tested	3
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	ID	Dimension of specimen (mm)	Cross sectional area (mm²)	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm²)	Avg Compressive Strength (N/mm²)
1	Sample-1	150.12 X 150.14 X 150.0	22539	16/01/2017	23/01/2017	7	8.15	338	15.02	15.20
2		150.14 X 150.15 X 150.0	22544				8.16	342	15.20	
3		150.15 X 150.13 X 150.0	22542				8.18	346	15.38	

Note:

1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the customer.

CIVIL TECH LABS BANGALORE

(BASAVARAJ K.)
Executive Director

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP)
Yelahanka, Bangalore

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TEST REPORT
COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP.
Name of Work	Construction of drains at Janatha Colony venkatala in ward No.-01, of Yelahanka Sub Division.
Name of Agency	M/s. Technical Manger (West), KRIDL.
Grade of Concrete	M-20
Location	Pavements
No. of cubes tested	3
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	ID	Dimension of specimen (mm)	Cross sectional area (mm²)	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm²)	Avg Compressive Strength (N/mm²)
1	Sample-2	150.14 X 150.15 X 150.0	22544	16/01/2017	23/01/2017	7	8.16	336	14.93	15.14
2		150.14 X 150.13 X 150.0	22541				8.17	344	15.29	
3		150.15 X 150.12 X 150.0	22541				8.19	342	15.20	

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CIVIL TECH LABS BANGALORE

(BASAVARAJ K.)
Executive Director

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Z-1)
Yelahanka, Bangalore

CIVIL TECH LABS

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TEST REPORT
COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP.
Name of Work	Construction of drains at Janatha Colony venkatala in ward No.-01, of Yelahanka Sub Division.
Name of Agency	M/s. Technical Manger (West), KRIDL.
Grade of Concrete	M-20
Location	Pavements
No. of cubes tested	3
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	ID	Dimension of specimen (mm)	Cross sectional area (mm²)	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm²)	Avg Compressive Strength (N/mm²)
1	Sample-3	150.13 X 150.16 X 150.0	22544	16/01/2017	23/01/2017	7	8.17	340	15.11	15.26
2		150.12 X 150.15 X 150.0	22541				8.18	346	15.38	
3		150.15 X 150.17 X 150.0	22548				8.21	344	15.29	

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CIVIL TECH LABS BANGALORE

(BASAVARAJ K.)
Executive Director

Asst. Executive Engineer
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Yelahanka, Bangalore

CIVIL TECH LABS

Accredited by **NABL** as per ISO/ IEC 17025 : 2005

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Ph: 080 - 4114 2867 / Mob. : 96862 31801, Email: civiltechlabs@gmail.com

T-2654

To,

Assistant Executive Engineer,
Yelahanka Sub Division,
BBMP.

10th January 2017

Dear Sir,

Sub: Testing of Materials.

As requested, tests on physical properties were carried out for the Materials supplied by you, for the work of **'Construction of drains at Janatha Colony venkatala in ward No.-01, of Yelahanka Sub Division.'**

Please find the enclosed Test Reports of the above.

Thanking You,
For Civil Tech Labs

CIVIL TECH LABS BANGALORE

(BASAVARAJ K.)
Executive Director

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Yelahanka Zone)
Yelahanka, Bengaluru

CIVIL TECH LABS

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TEST REPORT

GRADATION TEST ON COARSE AGGREGATES 40mm ↓ Graded

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP.
Name of Work	Construction of drains at Janatha Colony venkatala in ward No.-01, of Yelahanka Sub Division.
Name of Agency	M/s. Technical Manger (West), KRIDL.
Date of Testing	10/01/2017
Specific Gravity	2.68
Water Absorption	0.29%
Technical Reference	IS : 2386(Part I)-1963 (Reaffirmed 2011), IS : 2386 (Part III)-1963 (Reaffirmed 2011)

IS Sieve Designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS:383-1970 (Reaffirmed 2011)	Remarks
80	100	100	Satisfies the requirement
40	97.5	95-100	
20	54.6	30-70	
10	25.3	10-35	
4.75	4.1	0-5	

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(BASAVARAJ K.)
Executive Director

CIVIL TECH LABS BANGALORE

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zo)
Yelahanka, Bangalore

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TEST REPORT

GRADATION TEST ON FINE AGGREGATES

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP.
Name of Work	Construction of drains at Janatha Colony venkatala in ward No.-01, of Yelahanka Sub Division.
Name of Agency	M/s. Technical Manger (West), KRIDL.
Date of Testing	10/01/2017
Specific Gravity	**2.58**
Technical Reference	IS : 2386(Part I)-1963 (Reaffirmed 2011), IS : 2386 (Part III)-1963 (Reaffirmed 2011)

Sample	IS Sieve designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS:383-1970 (Reaffirmed 2011)				Grading Zone	Remarks
			ZONE-I	ZONE-II	ZONE-III	ZONE-IV		
River Sand	10	**100**	100	100	100	100	II	Satisfies the requirement
	4.75	**98.6**	90-100	90-100	90-100	95-100		
	2.36	**85.3**	60-95	75-100	85-100	95-100		
	1.18	**74.6**	30-70	55-90	75-100	90-100		
	0.6	**48.5**	15-34	35-59	60-79	80-100		
	0.3	**25.6**	5-20	8-30	12-40	15-50		
	0.15	**7.5**	0-10	0-10	0-10	0-15		

Note:

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4. The results are based on the test conducted on samples supplied by the customer.

CIVIL TECH LABS BANGALORE

(BASAVARAJ K.)
Executive Director

Asst. Executive Engineer
Yelahanka Sub. Division
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Yelahanka, Bengaluru

CIVIL TECH LABS

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TEST REPORT
TEST ON CEMENT

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP.
Name of Work	Construction of drains at Janatha Colony venkatala in ward No.-01, of Yelahanka Sub Division.
Name of the Agency	M/s. Technical Manger (West), KRIDL.
Date of Testing	10/01/2017

Tests	**Test Method As Per IS & Apparatus**		**Results**		**Requirements As Per IS 8112:1989**	**Remarks**
	IS Code	**Method**	**Value**	**Unit**		
Initial Setting Time	**IS-4031 (Part-5) 1988**	VICAT	47	min	Not Less Than 30 Minutes	Satisfies Requirement
Final Setting Time	**IS-4031 (Part-5) 1988**	VICAT	486	min	Not More Than 600 Minutes	Satisfies Requirement
Soundness	**IS-4031 (Part-3) 1988**	LE-CHATELIER	4	mm	Not More Than 10 mm	Satisfies Requirement

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CIVIL TECH LABS BANGALORE

(BASAVARAJ K.)
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